

Claims

1. A ceramic heat conductor support disc for supporting an electrical heating element for electrically heated furnace installations, said support disc having a centre aperture (2) lying parallel to the longitudinal axis of the heating element and one or more apertures (3, 6, 10–15) located between said centre aperture (2) and the periphery (4) of the disc (1), characterized in, that the disc (1) is provided with one or more elongated openings (5,7,8,9,16,17) running from said periphery (4) to one or through one or more of said apertures (3, 6, 10–15) and/or the centre aperture (2), where each elongated opening penetrates the whole thickness of said disc (1).
2. Disc according to claim 1, characterized in, that the length of said elongated opening (5,7,8,9,16,17) is limited to the maximum radius of the disc (1).
3. Disc according to claim 1 or 2, characterized in, that said elongated opening (5,7) runs along the radius of said disc (1).
- 20 4. Disc according to claim 1 or 2, characterized in, that said elongated opening (8,9,16,17) runs in another direction than along the radius of said disc (1).
- 25 5. Disc according to claim 1, 2, 3 or 4, characterized in, that the width of the elongated opening (5,7,8,9,16,17) is upwards limited to the maximum diameter of the aperture (3,6,10-15) and/or the centre aperture(2), in which it ends.
- 30 6. Disc according to claim 1, 2, 3, 4 or 5, characterized in, that the elongated opening (5,7,8,9,16,17) has the same width, or a width that varies, over the length of said elongated opening.

7. Disc according to claim 1, 2, 3, 4, 5 or 6, characterized in, that said elongated opening (5,7,8,9) ends in the centre aperture (2).
8. Disc according to claim 1, 2, 3, 4, 5, 6 or 7, characterised in, that
5 there are two or more of said elongated openings (16, 17) in the disc (1).
9. Disc according to claim 8, characterized in, that the apertures (3,6,
10-15) are located asymmetrical over the disc surface.
- 10 10. Disc according to any of claims 1-9, characterized in, that said
centre aperture (2) and said apertures (3,6,10-15) have an elliptical shape.
11. Disc according to any of claims 1-9, characterized in, that said
centre aperture (2) and said apertures (3,6,10-15) have a circular shape.

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